



National Weather Service

Storm Data and Unusual Weather Phenomena



March 2006

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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LAKE ERIE

LEZ444	Mi Waters Of Lake Erie								
Monroe Harbor	31	1935EST			0	0			Marine Tstm Wind (EG50)

LAKE HURON

LHZ422	Inner Saginaw Bay & Sw Of Pt Au Gres To Bay Port Mi								
Saginaw River Mouth	31	1710EST			0	0			Marine Hail (0.75)
LHZ421	Outer Saginaw Bay & Sw Of Alabaster To Pt Austin Mi								
Caseville	31	1710EST			0	0			Marine Hail (0.75)
LHZ464	Lh Pt Sanilac To Pt Huron 5Nm Offshore To Intl Border								
Port Huron	31	1935EST			0	0			Marine Tstm Wind (EG50)
LHZ443	Pt Sanilac To Pt Huron Mi								
Port Huron	31	1935EST			0	0			Marine Tstm Wind (EG50)

LAKE ST CLAIR

LCZ422	St Clair River								
Port Huron	31	1935EST			0	0			Marine Tstm Wind (EG50)
LCZ460	Lake St Clair (U.S. Portion)								
Grosse Pointe	31	2000EST			0	0			Marine Tstm Wind (EG43)
LCZ423	Detroit River								
Belle Isle	31	2000EST			0	0			Marine Tstm Wind (EG43)

MICHIGAN, East

MIZ047>049-053>055	Midland - Bay - Huron - Saginaw - Tuscola - Sanilac								
	02	0800EST 1600EST			0	0			Winter Storm

A winter storm system tracked out of the Northern Plains on the 1st and crossed over the Ohio Valley on the morning of the 2nd. A relatively narrow band of 8 to 10 inches of snow fell across the Tri Cities and thumb region with up to a foot of snow across northern Tuscola County. Moderate to heavy snow began around 2 AM EST and continued into the afternoon hours before finally tapering off. There was a sharp gradient to the snow accumulations. Values in Huron County ranged from a trace in Port Austin to close to a foot in the southwest part of the County. In Saginaw County, accumulations ranged from around 10 inches in Freeland to only 3 inches in Burt.

Here are some of the higher snowfall reports received from each county:

Larkin (Midland) 11.0 inches
 Bay City (Bay) 11.0 inches
 Pigeon (Huron) 8.0 inches
 Freeland (Saginaw) 9.5 inches
 Fairgrove (Tuscola) 12.0 inches
 Carsonville (Sanilac) 8.0 inches

Tuscola County									
Vassar	11 12	0600EST 0600EST			0	0	5K		Flood

With river levels already running high, heavy rain on the night of the 10th led to flooding along the Cass River in Vassar. The Tuscola County Emergency Manager reported six streets closed on the 11th due to flooding. The Riverfront park in Vassar was also completely flooded. Property damage was very minimal and roughly estimated at \$5K.



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MICHIGAN, East

Saginaw County

Saginaw	11 15	0600EST 1600EST			0	0	10K		Flood
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Heavy rain and a period of warm temperatures rapidly melted the foot of snow on the ground across the area. This led to moderate flooding along the Cass River from Frankenmuth downstream to Bridgeport. The river crested 3 feet above flood stage in Frankenmuth at 1630 EST on the 12th. An additional 2 inches of rainfall occurred during the early morning hours of the 13th. As a result, flooding continued along the river for several more days before finally subsiding on the 15th. Sections of Curtis Road from Frankenmuth to Bridgeport were closed. Some of the grounds including the Recreation Park by the Bavarian Inn located in Frankenmuth experienced flooding. Damage was roughly estimated at \$10K.

Lenawee County

Adrian	12	0139EST			0	0	50K		Lightning
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A lightning strike sparked a house fire leading to smoke and water damage estimated at 35K to the structure and 15K to the contents.

Tuscola County

Caro	13 14	0400EST 1600EST			0	0	10K		Flood
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Warm temperatures and heavy rain led to an early Spring melt across Tuscola County, resulting in flooding across the county. Tuscola County Road Commission closed 18 roads and 2 bridges on the 13th and 14th. No specific damage reports were received. Damage was roughly estimated at \$10K.

Washtenaw County

Ann Arbor	13	0513EST			0	0			Thunderstorm Wind (EG50)
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A 12 inch diameter tree fell at the Elks Club in Ann Arbor.

MIZ047>049-053-

061>063-068>070-076-082

Midland - Bay - Huron - Saginaw - Genesee - Lapeer - St. Clair - Livingston - Oakland - Macomb - Wayne - Lenawee

13 14	1400EST 0300EST			1	2			High Wind (EG52)
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A very deep low pressure system moved northeast across northern Lake Michigan early on the evening of the 13th. Damaging winds sustained from 30 to 40 MPH with frequent gusts over 50 MPH began during the late afternoon of the 13th and continued until 0300 EST on the 14th. The combination of the strong winds and a saturated ground led to large trees being uprooted across the entire area. Many homes and other structures received wind damage to the roofs and windows. The hardest hit areas extended along and north of the M59 corridor.

A large Oak tree fell onto a moving Ford F-150 pick-up truck at 1436 EST on Sherwood Road in Brandon. The tree crushed the cab of the truck killing a 25 year old male passenger. Another passenger (female) and the driver (male) were seriously injured. Four students sustained minor injuries (indirect) when the school bus they were riding in ran over a felled tree limb on Detroit's east side. Part of the limb shattered a few of the windows of the bus sending glass shards into the eyes and hair of the four students.

Here are some of the highest wind gusts recorded at official weather stations across the region:

Saginaw (Saginaw) 53 MPH
 NWS White Lake (Oakland) 52 MPH
 Adrian (Lenawee) 48 MPH
 Flint (Genesee) 47 MPH
 Detroit Metro (Wayne) 47 MPH

Note: Estimates from spotters in combination with the amount of damage, suggested wind speeds approaching 60 MPH at times.
 M25VE



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					Killed	Injured	Property	Crops	

MICHIGAN, East

Midland County

Midland	13 15	1600EST 2300EST			0	0	20K		Flood
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Rainfall of 1 to 2 inches on the night of the 12th, along with nearly 2 inches of rainfall plus snowmelt during the previous week, led to moderate flooding along the Tittabawassee River in Midland. The river crested 3 feet above flood stage in Midland at 2200 EST on the 14th. Several roads were closed, including sections of Main Street, in Midland. Flood waters overtook riverside parks and rose to within a foot of the Sanford Senior Center. Seniors had to be evacuated to another center. Damage was roughly estimated at \$20K.

Saginaw County

Freeland to Saginaw	13 14	2000EST 2000EST			0	0	7K		Flood
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Rainfall of 1 to 2 inches on the night of the 12th, along with nearly 2 inches of rainfall plus snowmelt during the previous week, led to moderate flooding along the Tittabawassee River from near the city of Freeland to Saginaw Township. The Festival Park in Freeland was completely submerged in flood waters. Several roads had to be closed in Saginaw Township the night of the 13th. Property Damage was minimal and roughly estimated at \$7K.

Midland County

Midland	31	1701EST			0	0			Hail(0.75)
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Saginaw County

Freeland	31	1702EST			0	0			Hail(1.00)
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Bay County

Auburn	31	1710EST			0	0			Hail(0.75)
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Livingston County

1 N Cohoctah	31	1717EST			0	0			Thunderstorm Wind (EG52)
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Genesee County

Grand Blanc	31	1741EST 1751EST			0	0			Hail(0.75)
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Spotters reported hail accumulations 2 inches deep.

Saginaw County

Bridgeport	31	1744EST			0	0			Hail(0.88)
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Saginaw County

Burt	31	1745EST			0	0			Hail(0.75)
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Genesee County

Atlas	31	1750EST 1800EST			0	0			Hail(0.75)
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Spotters reported hail 2 inches deep.

Genesee County

Goodrich	31	1800EST			0	0			Hail(0.88)
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Lapeer County

2 NW Lapeer	31	1805EST			0	0			Hail(0.88)
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Saginaw County

2 NE Arthur to 1 W Arthur	31	1808EST			0	0			Hail(1.00)
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Tuscola County

Reese	31	1808EST			0	0			Hail(1.00)
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Oakland County

Holly	31	1813EST			0	0			Hail(0.75)
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Lenawee County

4 SE Adrian	31	1902EST			0	0			Thunderstorm Wind (EG55)
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Fire department reported 20 trees down.



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March 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>MICHIGAN, East</u>									
Washtenaw County Ann Arbor	31	1906EST			0	0			Hail(0.75)
Washtenaw County Pittsfield	31	1908EST 1910EST			0	0			Hail(0.75)
Lenawee County 2 E Adrian	31	1912EST Trees damaged and powerpole down.			0	0			Thunderstorm Wind (EG50)
Wayne County Wayne	31	1913EST			0	0			Hail(0.88)
Wayne County Wayne	31	1913EST			0	0			Thunderstorm Wind (MG56)
Lenawee County 1 E Seneca	31	1915EST Dispatch reported powerpoles and wires down.			0	0			Thunderstorm Wind (EG50)
Washtenaw County 3 E Ann Arbor	31	1915EST			0	0			Hail(0.75)
Washtenaw County Ypsilanti	31	1915EST			0	0			Hail(0.75)
Washtenaw County 4 NE Ypsilanti	31	1917EST			0	0			Hail(0.75)
Wayne County Sheldon	31	1920EST			0	0			Hail(1.00)
Lenawee County 2 S Jasper	31	1922EST Powerpoles and wires down.			0	0			Thunderstorm Wind (EG50)
Wayne County Westland	31	1926EST 1930EST			0	0			Hail(0.75)
St. Clair County 1 NE Capac	31	1927EST Trees down.			0	0			Thunderstorm Wind (EG50)
Oakland County Troy	31	1930EST			0	0			Hail(0.75)
Oakland County 2 S Eames	31	1932EST A trained spotter measured a wind speed of 58 MPH.			0	0			Thunderstorm Wind (MG50)
Monroe County Ida	31	1935EST Trees down.			0	0			Thunderstorm Wind (EG50)
Monroe County Maybee	31	1935EST Trees down.			0	0			Thunderstorm Wind (EG50)
Oakland County Rochester Hills	31	1935EST			0	0			Hail(0.75)
St. Clair County 1 E Emmett	31	1935EST Trees down.			0	0			Thunderstorm Wind (EG50)



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MICHIGAN, East

Macomb County

Utica	31	1940EST 1943EST			0	0			Hail(1.00)
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Oakland County

2 NW Ferndale	31	1940EST			0	0			Thunderstorm Wind (EG52)
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Large tree limbs down.

Macomb County

Utica	31	1943EST			0	0			Thunderstorm Wind (EG52)
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A trained spotter estimated wind speeds at 60 MPH.

Wayne County

Grosse Pt	31	2000EST			0	0			Thunderstorm Wind (EG50)
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Large limbs from trees down.

An early season severe weather episode broke out in the form of mini-supercells. Most impressive mini-supercell went from northern Livingston county across southern Genesee and southern Lapeer counties. Several reports of funnel clouds, none of which touched down, were received when the supercells were at its peak. Most reports were hail up to 1 inch, and reports of hail that accumulated in spots. By the end of the event, most thunderstorm cells transitioned into line segments over far southeast/metro Detroit with wind damage.